

Amendment and Response

Applicant: Kirk Bresniker et al.

Serial No.: 09/923,976

Filed: August 7, 2001

Docket No.: 10012569-1

Title: SYSTEM AND METHOD FOR GRACEFUL SHUTDOWN OF HOST PROCESSOR CARDS IN A SERVER SYSTEM

14.(Currently Amended) A method of gracefully shutting down a host processor card in a server system, the method comprising:

monitoring a power control line that controls the power state of the host processor card;

providing a graceful shutdown indication from an operating system of the host processor card to a processor of the host processor card when the operating system boots up to a point that an immediate shutdown of the host processor card should not be performed;

outputting a graceful shutdown signal from the processor when an immediate shutdown of the host processor card should not be performed;

overriding the power control line when the processor outputs the graceful shutdown signal, thereby maintaining power to the host processor card; ~~and~~

initiating a graceful shutdown of the operating system when the power control line provides a power down signal if the operating system has provided the graceful shutdown indication to the processor; and

allowing an immediate shutdown of the host processor card when the power control line provides a power down signal if the operating system has not provided the graceful shutdown indication to the processor.

15.(Cancelled)

16.(Original) The method of claim 14, wherein the power control line is coupled to a switch that is configured to close when the host processor card is inserted into the server system, causing the power control line to indicate that the host processor card is to be powered up.

17.(Original) The method of claim 16, wherein the switch is configured to open when the host processor card is being removed from the server system, causing the power control line to indicate that the host processor card is to be powered down.

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18.(Original) The method of claim 16 or claim 17, wherein the power control line is coupled to a server management card that is configured to control the power state of the host processor card via the power control line when the switch is closed.

19.(Original) The method of claim 14, wherein the graceful shutdown indication is provided by the operating system by writing a value to a register of the processor.

20.(Original) The method of claim 14, and further comprising:
providing a manual emergency switch for causing an immediate shutdown of the host processor card.